DV337

Gas and Electric Dryer
user manual

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SAMSUNG

installing your dryer

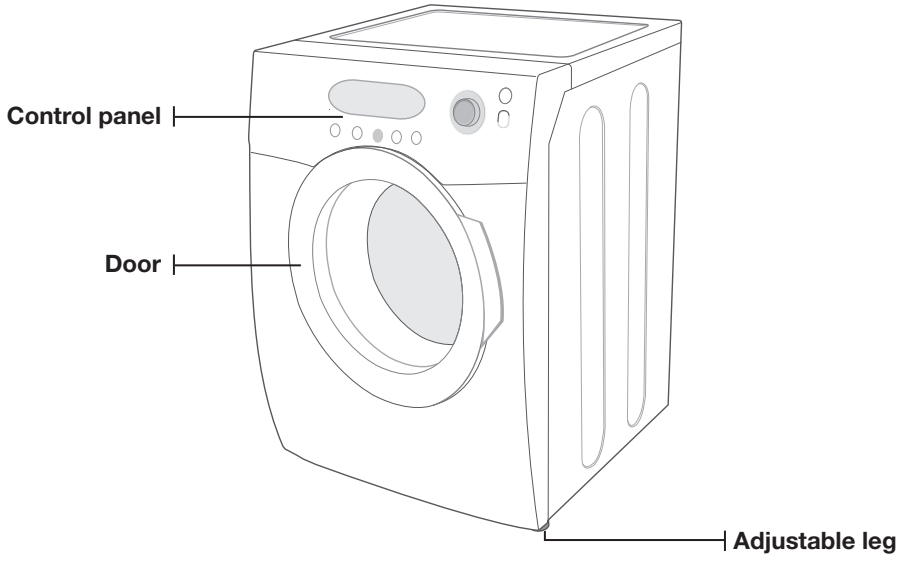
TOOLS NEEDED FOR INSTALLATION

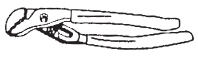
Hire a professional to install this dryer properly. If there is a service call performed as a result of poor setup, adjustment, and connection, it is considered the responsibility of the installer. If you install the dryer you are responsible.

Make sure you have everything necessary for proper installation.

1. A GROUNDED ELECTRICAL OUTLET is required. See Electrical Requirements.
2. A POWER CORD for electric dryers (except Canada).
3. GAS LINES (if a gas dryer) must meet national and local codes.
4. EXHAUST SYSTEM – must be rigid metal or flexible stiff-walled metal exhaust ducting.

SEE EXHAUST REQUIREMENTS





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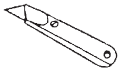
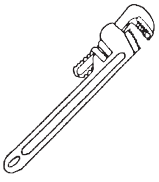
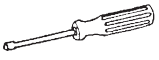


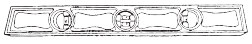
Cutting knife



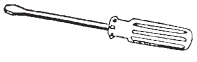
Pipe wrench (gas only)



Nut drivers

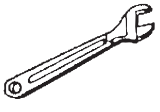


Level



Phillips Screwdriver

Duct tape

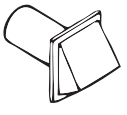


Crescent spanner

installing your dryer

DUCTING REQUIREMENTS

- Use a 4-inch (10.2 cm) diameter rigid aluminum or rigid galvanized steel duct.
- Do not use a smaller duct.
- Ducts larger than 4 inches (10.2 cm) in diameter can result in increased lint accumulation. Lint accumulation should be cleaned regularly.
- If a flexible metal duct must be used, use the type with a stiff sheet metal wall. Do not use a flexible duct with a thin foil wall. Serious blockage can result if the flexible metal duct is bent too sharply.
- Never install any type of flexible duct in walls, ceilings, or other concealed spaces.
- Keep the exhaust duct as straight and short as possible.
- Secure joints with duct tape. Do not use screws.
- DO NOT EXHAUST DRYER INTO ANY WALL, CEILING, CRAWL SPACE, OR CONCEALED SPACE OF A BUILDING, GAS VENT, OR ANY OTHER COMMON DUCT OR CHIMNEY. THIS COULD CREATE A FIRE HAZARD FROM LINT EXPELLED BY THE DRYER.
- Plastic flexible duct can kink, sag, be punctured, reduce airflow, extend drying times, and affect dryer operation.
- Exhaust systems longer than recommended can extend drying times, affect machine operation, and may collect lint.
- The exhaust duct should end with an exhaust hood with a swing-out damper to prevent back drafts and entry of wildlife. Never use an exhaust hood with a magnetic damper.
- The hood should have at least 12 inches (30.5 cm) of clearance between the bottom of the hood and the ground or other obstruction. The hood opening should point down.
- Never install a screen over the exhaust outlet.
- To avoid lint buildup, do not exhaust the dryer directly into a window well. Do not exhaust under a house or porch.
- If exhaust ductwork must run through an unheated area, the duct should be insulated and slope slightly down towards the exhaust hood to reduce condensation and lint buildup.
- Inspect and clean the interior of the exhaust system at least once a year. Unplug the power cord before cleaning.
- Check frequently to be sure the exhaust hood damper opens and closes freely.
- Check once per month, and clean at least one time per year. Note: If clothes are not getting dry, then check ducting for obstructions.

	ELECTRIC AND GAS DRYER			
	Weather Hood Type			
	Recommended		**Use only for short-run installation**	
	4” (10 .16 cm)		 2.5” (6.35 cm)	
No. of 90° elbows	Rigid	Metallic Flexible*	Rigid	Metallic Flexible*
0	24.4 m (80 ft.)	12.4 m (41 ft.)	22.6 m (74 ft.)	10.1 m (33 ft.)
1	20.7 m (68 ft.)	11.2 m (37 ft.)	18.9 m (62 ft.)	8.8 m (29 ft.)
2	17.4 m (57 ft.)	10.1 m (33 ft.)	15.5 m (51 ft.)	7.6 m (25 ft.)
3	14.3m (47 ft.)	9.0 m (29 ft.)	12.5 m (41 ft.)	6.5 m (21 ft.)

***** Do not use non-metallic flexible duct.

If the new dryer is installed into an existing exhaust system you must make sure:

- The exhaust system meets all local, state, and national codes.
- That a flexible plastic duct is not used.
- To Inspect and clean all lint buildup from inside the existing duct.
- The duct is not kinked or crushed.
- The exhaust hood damper opens and closes freely.

The static pressure in any exhaust system must not exceed 0.83 inches of water column, or be less than 0.

This can be measured with the dryer running with a manometer at the point where the exhaust duct connects to the dryer. A no-heat setting should be used. The dryer tumbler should be empty and the lint filter clean.

IMPORTANT TO INSTALLER

Please read the following instructions carefully before installing the dryer. These instructions should be kept for future reference.

⚠ WARNING REMOVE THE DOOR FROM ALL DISCARDED APPLIANCES TO AVOID THE DANGER OF A CHILD SUFFOCATING.

LOCATION CONSIDERATIONS

The dryer should be located where there is enough space in front for loading the dryer, and enough space behind for the exhaust system. This dryer is factory-ready for rear exhaust. To exhaust out the bottom or the left, use the accessory exhaust kit. Instructions are included with the kit. It's important to make sure the room has enough fresh air. The dryer must be located where there is no air-flow obstruction.

On gas dryers, adequate clearance as noted on the data plate must be maintained to ensure adequate air for combustion and proper dryer operation.

THE DRYER MUST NOT BE INSTALLED OR STORED IN AN AREA WHERE IT WILL BE EXPOSED TO WATER AND/OR WEATHER. THE DRYER AREA IS TO BE KEPT CLEAR OF COMBUSTIBLE MATERIALS, GASOLINE, AND OTHER FLAMMABLE VAPORS AND LIQUIDS. A DRYER PRODUCES COMBUSTIBLE LINT. THE AREA AROUND THE DRYER SHOULD BE KEPT LINT-FREE.

ALCOVE OR CLOSET INSTALLATION

⚠ WARNING The dryer must be exhausted to the outside to reduce the risk of fire when installed in an alcove or closet.

- No other fuel-burning appliance should be installed in the same closet as the dryer.
- WARNING: To reduce the risk of fire, this dryer MUST BE EXHAUSTED TO THE OUTDOORS. See EXHAUST INFORMATION section.
- Minimum clearances between the dryer and adjacent walls or other surfaces are: 2" in front, 17" on top, 1" on either side, and 2.375" in the back.
- The closet front must have two unobstructed air openings for a combined minimum total area of 72 in^2 with 3" minimum clearance on the top and bottom. A louvered door with equivalent space clearance is acceptable.

MOBILE HOME INSTALLATION

The installation of the dryer in mobile homes must conform to the Manufactured Home Construction and Safety Standard Title 24 CFR, Part 32-80 {formerly the Federal Standard for Mobile Home Construction and Safety, Title 24, HUD (Part 280), 1975} for the United States) or CSA Standards Z240 (for Canada).

When installing a dryer in a mobile home, provisions for anchoring the dryer to the floor must be made.

Locate an area that has adequate fresh air.

A minimum of 72 in^2 (183 cm^2) of unobstructed space is required.

Call 1-800-SAMSUNG for information on purchasing the Floor Anchoring Kit as an accessory.

All mobile home installations must be exhausted to the outside with the exhaust duct termination securely fastened to the mobile home structure, using materials that will not support combustion.

The exhaust duct may not terminate underneath the mobile home.

See Exhausting section for more information.

EXHAUSTING

Exhausting the dryer to the outside will prevent large amounts of lint and moisture from being blown into the room.

In the United States:

- All dryers must be exhausted to the outside.
- Only a rigid or flexible metal duct should be used for exhausting.

In Canada:

- All dryers must be exhausted to the outside.

Outside the U.S. and Canada:

- Refer to local codes.

WARNING The dryer must be exhausted to the outside to reduce the risk of fire when installed in an alcove or closet.
NEVER USE A PLASTIC OR NON-METAL FLEXIBLE DUCT.
If your existing ductwork is plastic, non-metal, or combustible, replace it with metal.
Use only a metal exhaust duct that is non-flammable to ensure containment of exhaust air, heat, and lint.

GAS REQUIREMENTS

Use only natural or LP (liquid propane) gases.

THE INSTALLATION MUST CONFORM WITH LOCAL CODES, OR IN THE ABSENCE OF LOCAL CODES, WITH THE NATIONAL FUEL GAS CODE ANSI/Z223.1, LATEST REVISION (FOR THE UNITED STATES), OR WITH THE CAN/CGA-B149 INSTALLATION CODES (FOR CANADA).

Gas dryers are equipped with a burner vent for use with natural gas. If you plan to use your dryer with LP (liquid propane) gas, it must be converted for safe and proper performance by a qualified service technician.

A 1/2" (1.27 cm) gas supply line is recommended and must be reduced to connect to the 3/8" (1 cm) gas line on your dryer. The National Fuel Gas Code requires that an accessible, approved manual gas shut-off valve be installed within 6' of your dryer.

Gas dryers installed in residential garages must be raised 18 inches (46 cm) above the floor.

Additionally, a 1/8" (0.3 cm) N.P.T. (National Pipe Thread) plugged tapping, accessible for test gauge connection, must be installed immediately upstream of your dryer's gas supply connection.

Your dryer must be disconnected from the gas supply pipe system during any pressure testing of the system.

DO NOT reuse old flexible metal gas lines. Flexible gas lines must be design certified by the American Gas Association (CGA in Canada).

- Any pipe joint compound used must be resistant to the action of any liquefied petroleum gas.
- As a courtesy, most local gas utilities will inspect a gas appliance installation.

GAS IGNITION – Your dryer uses an automatic ignition system to ignite the burner. There is no constant burning pilot.

Commonwealth of Massachusetts installation instructions

Your dryer must be installed by a licensed plumber or gas fitter. A "T" handle manual gas valve must be installed in the gas supply line to your dryer. If a flexible gas connector is used to install your dryer, the connector must have a maximum length of 3' (36").

WARNING
- Gas leaks may occur in your system, creating a dangerous situation.
- Gas leaks may not be detected by smell alone.
- Gas suppliers recommend you purchase and install a UL-approved gas detector.
- Install and use in accordance with manufacturer's instructions.

installing your dryer

ELECTRICAL REQUIREMENTS

Wiring diagram is located on plate below the control panel.

WARNING

- Improper connection of the equipment grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether your dryer is properly grounded. Do not modify the plug provided with your dryer – if it doesn't fit the outlet, have a proper outlet installed by a qualified electrician.
- To prevent unnecessary risk of fire, electrical shock, or personal injury, all wiring and grounding must be done in accordance with local codes, or in the absence of local codes, with the National Electrical Code, ANSI/NFPA No. 70-Latest Revision (for the U.S.) or the Canadian Electrical Code CSA C22.1 – Latest Revisions and local codes and ordinances. It is your responsibility to provide adequate electrical services for your dryer.
- All gas installations must be done in accordance with the national Fuel Code ANSI/Z2231 – Latest Revision (for the U.S.) or CAN/CGA – B149 Installation Codes – Latest Revision (for Canada) and local codes and ordinances.

GROUNDING

This dryer must be grounded. In the event of malfunction or breakdown, the ground will reduce the risk of electrical shock by providing a path of least resistance for the electrical current.

Gas models

Your dryer has a cord with an equipment-grounding conductor and a grounding plug.

The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

Do not modify the plug provided with your dryer – if it doesn't fit the outlet, have a proper outlet installed by a qualified electrician.

NEVER CONNECT GROUND WIRE TO PLASTIC PLUMBING LINES, GAS LINES, OR HOT WATER PIPES.

Electric models

Your dryer has a cord with an equipment-grounding conductor and a grounding plug, sold separately.

The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

If a power cord is not used and the electric dryer is to be permanently wired, the dryer must be connected to a permanently grounded metal wiring system, or an equipment grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal.

ELECTRICAL CONNECTIONS

Before operating or testing, follow all grounding instructions in the Grounding section.
An individual branch (or separate) circuit serving only your dryer is recommended. DO NOT USE AN EXTENSION CORD.

Gas models – U.S. and Canada

A 120 volt, 60 Hz AC approved electrical service, with a 15-ampere fuse or circuit breaker is required.

Electric models – U.S. only

Most U.S. dryers require a 120/240 volt, 60 Hz AC approved electrical service. Some require 120/208 volt, 60 Hz approved electrical service. The electric service requirements can be found on the data label located behind the door. A 30-ampere fuse or circuit breaker on both sides of the line is required.

- If a power cord is used, the cord should be plugged into a 30-ampere receptacle.
- The power cord is NOT provided with U.S. electric model dryers.

IMPORTANT:

When local codes allow, the dryer electrical supply may be connected by means of a new power supply cord kit, marked for use with a dryer, that is U.L. listed and rated at a minimum of120/240 volts, 30-ampere with three No. 10 copper wire conductors terminated with closed loop terminals, open-end spade lugs with turned up ends, or with tinned leads.

1. size of the conductors and the type of cord.
2. 3/4” (1.9 cm) UL-listed strain relief

- Do not reuse a power supply cord from an old dryer. The power cord electric supply wiring must be retained at the dryer cabinet with a suitable UL-listed strain relief.
- Grounding through the neutral conductor is prohibited for (1) new branch-circuit installations, (2) mobile homes, (3) recreational vehicles, and (4) areas where local codes prohibit grounding through the neutral conductor. (Use 4-prong plug for 4 wire receptacle, NEMA type 14-30R.)

Electric models – Canada Only

- A 120/240 volt, 60 Hz AC approved electrical service fused through a 30-ampere fuse or circuit breaker on both sides of the line is required.
- All Canadian models are shipped with the power cord attached. The power cord should be plugged into a 30-ampere receptacle.

It is not permissible to convert a dryer in Canada to 208 volts.

REPLACEMENT PARTS AND ACCESSORIES

If your dryer requires replacement parts or accessories, contact the dealer from whom you purchased your dryer or the SAMSUNG customer care center at 1-800-SAMSUNG (726-7864).

installing your dryer

INSTALLATION

For proper installation, it is highly recommended to hire a professional. To install:

1. Move your dryer to an appropriate location for installation. Consider installing the dryer and washer side-by-side, to allow access to gas, electrical, and exhaust connections.
   Lay two of the carton cushion-tops on the floor. Tip your dryer on its side so it will lay across both cushion-tops.
2. Set your dryer back in an upright position.
3. Review the Exhausting section before installing the exhaust system. Install the ductwork from your dryer to the exhaust hood. The crimped end of the duct sections must point away from your dryer.
   DO NOT use sheet metal screws when assembling ducting. These joints should be taped.
   Never use plastic flexible exhaust material.
   Tip for tight installations: install a section of exhaust system to your dryer before putting it in place.
   Use duct tape to secure this section to your dryer, but do not cover ventilation slots at the back of the unit in dryer cabinet.
4. Review Electrical Requirements section.
   BEFORE OPERATING OR TESTING, follow the grounding instructions in the Grounding section.

U.S. MODELS:

IMPORTANT – All U.S. models are produced for a **3-WIRE SYSTEM CONNECTION**.
The dryer frame is grounded to the neutral conductor at the terminal block.
A **4-WIRE SYSTEM CONNECTION** is required for new or remodeled construction, mobile homes, or if local codes do not permit grounding through neutral. If the 4-wire system is used, the dryer frame cannot be grounded to the neutral conductor at the terminal block. Refer to the following instructions for 3- and 4-WIRE SYSTEM CONNECTIONS.

Remove the terminal block cover plate.
Insert the power cord with a UL-listed strain relief through the hole provided in the cabinet near the terminal block.

A strain relief must be used.

Do not loosen the nuts already installed on the terminal block. Be sure they are tight.
Use a 3/8" (1cm) deep well socket.

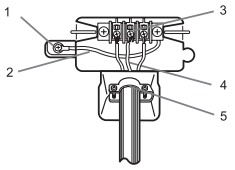
5. Review Gas Requirements section.
   Remove the pipe thread protective cap.
   Apply pipe joint compound or about 1 1/2 wraps of Teflon tape over all threaded connections.

Pipe joint compound must be resistant to the action of any liquefied petroleum gas.

Connect the gas supply to your dryer.
An additional fitting is required to connect the 3/4" (1.9 cm) female thread end of a flexible connector to the 3/8" (1 cm) male threaded end on the dryer.
Securely tighten the gas line fitting over threads.
Turn on the gas supply. Check all gas connections for leaks using a soap solution.
If bubbles appear, tighten the connections and recheck.
DO NOT use an open flame to check for gas leaks.

3-WIRE system connections

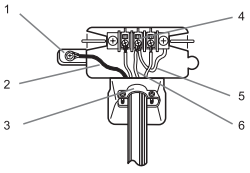
1. Loosen or remove the center terminal block screw.
2. Connect the neutral wire (white or center wire) of the power cord to the center, silver-colored terminal screw of the terminal block. Tighten screw.
3. Connect the other wires to outer terminal block screws. Tighten screws.
4. Tighten the strain relief screws.
5. Insert the tab of the terminal block cover into your dryer's rear panel slot.
   Secure the cover with a hold-down screw.
   1. External ground connector
   2. Neutral grounding wire (green/yellow)
   3. Center silver-colored terminal block screw
   4. Neutral wire (white or center wire)
   5. 3/4" (1.9 cm) UL-listed strain relief



WARNING If converting from a 4-wire electrical system to a 3-wire, the ground strap must be reconnected to the terminal block support to ground the dryer frame to the neutral conductor.

4-WIRE system connections

1. Remove the center terminal block screw.
2. Connect the ground wire (green or unwrapped) of the power cord to the external ground conductor screw.
3. Connect the neutral wire (white or center wire) of the power cord and the appliance ground wire (green with yellow stripes) under the central screw of the terminal block.
4. Connect the other wires to the outer terminal block screws. Tighten screws.
5. Tighten the strain relief screws.
6. Insert the tab of the terminal block cover into your dryer's rear panel slot.
   Secure the cover with a hold-down screw.
   1. External ground connector
   2. Green or bare copper wire of power cord
   3. 3/4 in. (1.9 cm) UL-listed strain relief
   4. Center silver-colored terminal block screw
   5. Grounding wire (green/yellow)
   6. Neutral wire (white or center wire)



6. With a level, check your dryer and make necessary adjustments to the leveling legs.
7. At this time, make sure all gas connections (on gas models), exhaust and electrical connections are complete. Plug in your dryer, and check operation by using the checklist below.
8. (GAS MODELS ONLY)
   The burner may not ignite initially due to air in the gas line. Allowing your dryer to operate on a heat setting will purge the line. If the gas does not ignite within 5 minutes, turn your dryer off and wait 5 minutes. Be sure the gas supply to your dryer has been turned on. In order to confirm gas ignition, check the exhaust for heat.

FINAL INSTALLATION CHECKLIST

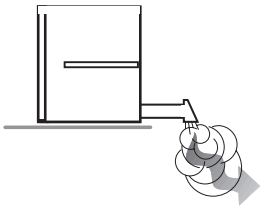
- ☐ Dryer is plugged into electrical outlet and properly grounded.☐
- ☐ Exhaust ductwork is hooked up and joints taped.
- ☐ Plastic flexible duct is NOT used.
- ☐ Used rigid or stiff-walled flexible metal vent material.
- ☐ Dryer is level with all legs firmly on the floor.
- ☐ Gas models – gas is turned on with no gas leaks.
- ☐ Start your dryer to confirm that it runs, heats, and shuts off.

installing your dryer

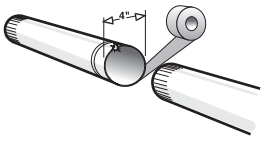
DRYER EXHAUST TIPS

⚠ WARNING Plastic or non-metal flexible duct presents a potential fire hazard.

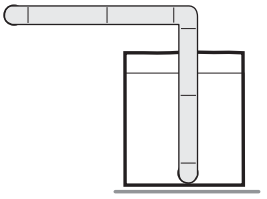
1. Let your dryer exhaust the air easily.



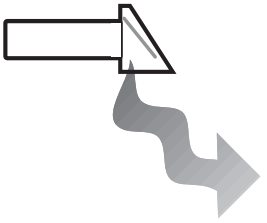
2. Use 4” diameter rigid metal duct. Tape all joints, including at the dryer.
Never use lint-trapping screws.



3. Keep ducts as straight as possible.



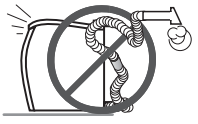
4. Clean all old ducts before installing your new dryer.
Be sure vent flap opens and closes freely.
Inspect and clean the exhaust system annually.



Don’t let a poor exhaust system slow drying by:

1. Restricting your dryer with a poor exhaust system.
2. Using a plastic, thin foil, or non-metal flexible duct.
3. Using unnecessarily long duct runs with many elbows.
4. Allowing crushed or clogged ducts and vent.

1



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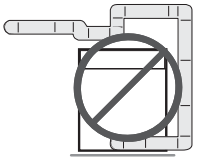

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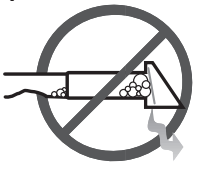
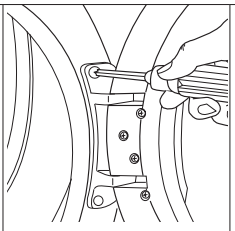
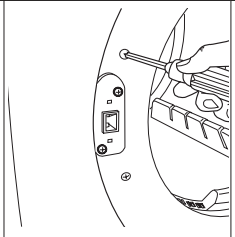


DOOR REVERSAL

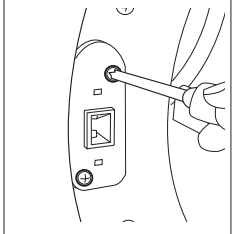
1. Unplug the power cord.
2. Remove two door hinge screws.
3. Lift the door and remove from the dryer.



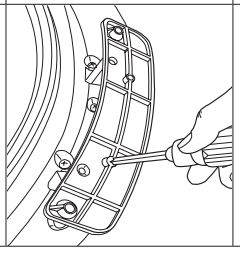
4. Remove two screws on the opposite side of the door hinge.



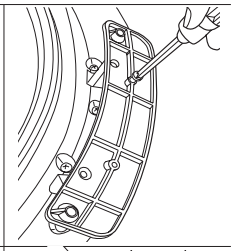
5. Remove two screws from the holder lever.



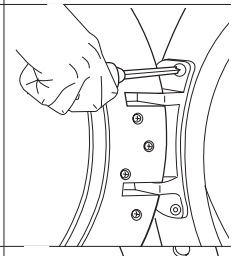
6. Remove one black screw from the door hinge.



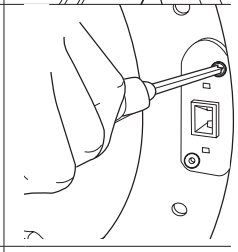
7. Reassemble the black screw in the other hole.



8. Place the door on the other side and reattach it to the dryer.



9. Reassemble the holder lever.



10. Reassemble the screws in the remaing holes.